

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

In the claims

1. (Currently Amended): A method of treating asthma, comprising:
selecting an airway for treatment;
irradiating a length of the airway with a light source having a wavelength of about 240 nm to about 280 nm and an intensity which causes a change in cells of the airway such that bronchoconstriction of the airway is reduced.
2. (Currently Amended): The method of claim 1, where the change in the airway ~~[[cells]]~~ occurs in smooth muscle cells.
3. (Currently Amended): The method of claim 1, where the change in the airway ~~[[cells]]~~ occurs in mucus gland cells.
4. (Cancelled)
5. (Original): The method of claim 1, where the wavelength of the light source is in the red visible range.
6. (Currently Amended): The method of claim 1, where the light source comprises ~~is selected from the group consisting of a~~ an infrared source, a visible source, or ~~or~~ ~~[[and]]~~ an ultraviolet source.
7. (Original): The method of claim 1, further comprising moving the light source along the airway.
8. (Original): The method of claim 1, where irradiating the length of the airway with the light source prevents bronchospasms.
9. (Currently Amended): The method of claim 1, where the change in the airway ~~[[cells]]~~ comprises preventing airway ~~[[the]]~~ cells from replicating.

10. (Currently Amended): A method of controlling mucus within a lung, comprising:
 - selecting an airway for treatment;
 - irradiating a length of the airway with a light source having a wavelength of about 240 nm to about 280 nm and an intensity which causes a change in cells of the airway such that mucus secretions of the airway are reduced.
11. (Currently Amended): The method of claim 10, where the change in the airway ~~[[cells]]~~ occurs in mucus gland cells.
12. (Cancelled)
13. (Original): The method of claim 10, where the wavelength of the light source is in the red visible range.
14. (Currently Amended): The method of claim 10, where the light source comprises is ~~selected from the group consisting of a~~ an infrared source, a visible source, or ~~and~~ an ultraviolet source.
15. (Original): The method of claim 10, further comprising moving the light source along the airway.